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TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING

DATE: 02/26/2003

PATENT APPLICATION: US/09/281,760E

TIME: 15:01:12

Input Set : A:\seqlisting.2002.09.04.txt

Output Set: N:\CRF4\02262003\I281760E.raw

4 <110> APPLICANT: Lawton, Robert
5 Mermer, Brion
6 Francoeur, Greg
9 <120> TITLE OF INVENTION: Specific Binding Protein for Treating
10 Canine Allergy
12 <130> FILE REFERENCE: 01-1275A
14 <140> CURRENT APPLICATION NUMBER: 09/281,760E
15 <141> CURRENT FILING DATE: 1999-03-30
17 <150> PRIOR APPLICATION NUMBER: 09/058,331
18 <151> PRIOR FILING DATE: 1998-04-09
20 <160> NUMBER OF SEQ ID NOS: 39
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 5
26 <212> TYPE: PRT
27 <213> ORGANISM: Canis familiaris
29 <220> FEATURE:
30 <221> NAME/KEY: PEPTIDE
31 <222> LOCATION: (2)...(3)
32 <223> OTHER INFORMATION: Xaa = any amino acid
34 <400> SEQUENCE: 1

W--> 35 Leu Xaa Xaa Tyr Arg

36 1 5
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 5
40 <212> TYPE: PRT
41 <213> ORGANISM: Canis familiaris
43 <220> FEATURE:
44 <221> NAME/KEY: PEPTIDE
45 <222> LOCATION: (3)...(4)
46 <223> OTHER INFORMATION: Xaa = Any amino acid
48 <400> SEQUENCE: 2

W--> 49 Tyr Arg Xaa Xaa Leu

50 1 5
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 8
54 <212> TYPE: PRT
55 <213> ORGANISM: Canis familiaris
57 <220> FEATURE:
58 <221> NAME/KEY: PEPTIDE
59 <222> LOCATION: (2)...(3)
60 <223> OTHER INFORMATION: Xaa = Any amino acid
62 <220> FEATURE:

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63 <221> NAME/KEY: PEPTIDE
64 <222> LOCATION: (6)...(7)
65 <223> OTHER INFORMATION: Xaa = Any amino acid
67 <400> SEQUENCE: 3
W--> 68 Leu Xaa Xaa Tyr Arg Xaa Xaa Leu
69      1                      5
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 7
73 <212> TYPE: PRT
74 <213> ORGANISM: Canis familiaris
76 <400> SEQUENCE: 4
77 Thr Leu Leu Glu Tyr Arg Met
78      1                      5
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 11
82 <212> TYPE: PRT
83 <213> ORGANISM: Canis familiaris
85 <400> SEQUENCE: 5
86 Gly Met Asn Leu Thr Trp Tyr Arg Glu Ser Lys
87      1                      5              10
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 9
91 <212> TYPE: PRT
92 <213> ORGANISM: Canis familiaris
94 <220> FEATURE:
95 <221> NAME/KEY: PEPTIDE
96 <222> LOCATION: (2)...(3)
97 <223> OTHER INFORMATION: Xaa = Any amino acid
99 <220> FEATURE:
100 <221> NAME/KEY: PEPTIDE
101 <222> LOCATION: (6)...(8)
102 <223> OTHER INFORMATION: Xaa = Any amino acid
104 <400> SEQUENCE: 6
W--> 105 Cys Xaa Xaa Pro His Xaa Xaa Xaa Cys
106      1                      5
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 16
110 <212> TYPE: PRT
111 <213> ORGANISM: Canis familiaris
113 <400> SEQUENCE: 7
114 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly
115      1                      5              10              15
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 14
119 <212> TYPE: PRT
120 <213> ORGANISM: Canis familiaris
122 <400> SEQUENCE: 8
123 Ser Ala Cys Pro Asn Pro His Asn Pro Tyr Cys Gly Gly Gly
124      1                      5              10

```

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126 <210> SEQ ID NO: 9
127 <211> LENGTH: 9
128 <212> TYPE: PRT
129 <213> ORGANISM: Canis familiaris
131 <220> FEATURE:
132 <221> NAME/KEY: PEPTIDE
133 <222> LOCATION: (2)...(2)
134 <223> OTHER INFORMATION: Xaa = Any amino acid
136 <220> FEATURE:
137 <221> NAME/KEY: PEPTIDE
138 <222> LOCATION: (5)...(5)
139 <223> OTHER INFORMATION: Xaa = Any amino acid
141 <220> FEATURE:
142 <221> NAME/KEY: PEPTIDE
143 <222> LOCATION: (7)...(8)
144 <223> OTHER INFORMATION: Xaa = Any amino acid
146 <400> SEQUENCE: 9
W--> 147 Cys Xaa Pro His Xaa Pro Xaa Xaa Cys
148 1 5
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 14
152 <212> TYPE: PRT
153 <213> ORGANISM: Canis familiaris
155 <400> SEQUENCE: 10
156 Ser Ala Cys His Pro His Leu Pro Lys Ser Cys Gly Gly Gly
157 1 5 10
159 <210> SEQ ID NO: 11
160 <211> LENGTH: 12
161 <212> TYPE: PRT
162 <213> ORGANISM: Canis familiaris
164 <400> SEQUENCE: 11
165 Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys
166 1 5 10
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 17
170 <212> TYPE: PRT
171 <213> ORGANISM: Canis familiaris
173 <400> SEQUENCE: 12
174 Ser Val Thr Leu Cys Pro Asn Pro His Ile Pro Met Cys Gly Gly Gly
175 1 5 10 15
176 Lys
179 <210> SEQ ID NO: 13
180 <211> LENGTH: 7
181 <212> TYPE: PRT
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 13
185 Val Asn Leu Thr Trp Ser Arg
186 1 5
188 <210> SEQ ID NO: 14

```

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```

189 <211> LENGTH: 11
190 <212> TYPE: PRT
191 <213> ORGANISM: Felis catus
193 <400> SEQUENCE: 14
194 Gly Met Thr Leu Thr Trp Ser Arg Glu Asn Gly
195 1 5 10
197 <210> SEQ ID NO: 15
198 <211> LENGTH: 11
199 <212> TYPE: PRT
200 <213> ORGANISM: Canis familiaris
202 <400> SEQUENCE: 15
203 Gly Met Asn Leu Thr Trp Ser Arg Glu Ser Lys
204 1 5 10
206 <210> SEQ ID NO: 16
207 <211> LENGTH: 9
208 <212> TYPE: PRT
209 <213> ORGANISM: Canis familiaris
211 <400> SEQUENCE: 16
212 Cys Pro Asn Pro His Ile Pro Met Cys
213 1 5
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 9
217 <212> TYPE: PRT
218 <213> ORGANISM: Canis familiaris
220 <400> SEQUENCE: 17
221 Cys Pro Asn Pro His Asn Pro Tyr Cys
222 1 5
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 9
226 <212> TYPE: PRT
227 <213> ORGANISM: Canis familiaris
229 <400> SEQUENCE: 18
230 Cys His Pro His Leu Pro Lys Ser Cys
231 1 5
233 <210> SEQ ID NO: 19
234 <211> LENGTH: 9
235 <212> TYPE: PRT
236 <213> ORGANISM: Canis familiaris
238 <400> SEQUENCE: 19
239 Cys Ser Asn Pro His Val Thr His Cys
240 1 5
242 <210> SEQ ID NO: 20
243 <211> LENGTH: 9
244 <212> TYPE: PRT
245 <213> ORGANISM: Canis familiaris
247 <400> SEQUENCE: 20
248 Cys Ser His Pro His Leu Thr His Cys
249 1 5
251 <210> SEQ ID NO: 21

```

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```

252 <211> LENGTH: 9
253 <212> TYPE: PRT
254 <213> ORGANISM: Canis familiaris
256 <400> SEQUENCE: 21
257   Cys Ser Asn Pro His Ile Thr Gln Cys
258     1           5
260 <210> SEQ ID NO: 22
261 <211> LENGTH: 9
262 <212> TYPE: PRT
263 <213> ORGANISM: Canis familiaris
265 <400> SEQUENCE: 22
266   Cys Met Asn Pro His Ile Thr His Cys
267     1           5
269 <210> SEQ ID NO: 23
270 <211> LENGTH: 9
271 <212> TYPE: PRT
272 <213> ORGANISM: Canis familiaris
274 <400> SEQUENCE: 23
275   Cys Thr Asn Pro His Asn Pro Tyr Cys
276     1           5
278 <210> SEQ ID NO: 24
279 <211> LENGTH: 9
280 <212> TYPE: PRT
281 <213> ORGANISM: Canis familiaris
283 <400> SEQUENCE: 24
284   Cys Pro Asn Pro His Asn Pro Tyr Cys
285     1           5
287 <210> SEQ ID NO: 25
288 <211> LENGTH: 9
289 <212> TYPE: PRT
290 <213> ORGANISM: Canis familiaris
292 <400> SEQUENCE: 25
293   Cys His Pro His Leu Pro Lys Arg Cys
294     1           5
296 <210> SEQ ID NO: 26
297 <211> LENGTH: 17
298 <212> TYPE: PRT
299 <213> ORGANISM: Canis familiaris
301 <400> SEQUENCE: 26
302   Tyr Cys Arg Val Thr His Pro His Leu Pro Lys Asp Ile Val Arg Ser
303     1           5             10             15
304   Ile
307 <210> SEQ ID NO: 27
308 <211> LENGTH: 17
309 <212> TYPE: PRT
310 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 27
313   Gln Cys Arg Val Thr His Pro His Leu Pro Arg Ala Leu Met Arg Ser
314     1           5             10             15

```

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2, 3 ✓
Seq#:2; Xaa Pos. 3, 4 ✓
Seq#:3; Xaa Pos. 2, 3, 6, 7 ✓
Seq#:6; Xaa Pos. 2, 3, 6, 7, 8 ✓
Seq#:9; Xaa Pos. 2, 5, 7, 8 ✓
Seq#:33; N Pos. 136, 413, 414, 451, 460, 461, 462, 500, 530, 568, 847, 848, 849, 853
Seq#:33; N Pos. 1382, 1832
Seq#:33; Xaa Pos. 83, 175, 176
Seq#:34; Xaa Pos. 83
Seq#:35; Xaa Pos. 81, 82

VERIFICATION SUMMARY

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Input Set : A:\seqlisting.2002.09.04.txt

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L:35 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:453 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:444
L:459 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:450
L:465 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:456
L:465 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:33,Line#:462
L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120
M:341 Repeated in SeqNo=33
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:80
L:788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:80